

IN THE CLAIMS

Page 7, line 1, change "Patent Claims" to --What is claimed is:--.

Claims 1-10 (cancelled).

11. (New) An ophthalmologic device comprising:

a controllable illumination unit;

an observation system;

an image recording unit;

a central control unit;

an output unit;

an eye tracker unit; and

means for relative positioning of the ophthalmologic device with respect to the eye to be examined; and

wherein the eye tracker unit includes an imaging system, said imaging system having at least two different adjustable magnifications.

12. (New) The ophthalmologic device comprising a controllable illumination unit, an observation system, an image recording unit, a central control unit, an output unit, an eye tracker unit, and means for relative positioning of the ophthalmologic device with respect to the eye to be examined, wherein the observation system is a stereo microscope with changeable magnification.

13. (New) The ophthalmologic device according to claim 11, wherein the imaging system of the eye tracker unit is a zoom objective or an interchangeable objective.

14. (New) The ophthalmologic device according to claim 11, wherein the image

recording unit is a digital high-resolution camera with a high image rate which can have a tilting device for tilting the camera chip relative to the optical axis for Scheimpflug correction and/or is capable of recording and storing image sequences.

15. (New) The ophthalmologic device according to claim 11, wherein the optical image recording unit operates synchronous with the image rate of the digitally controllable illumination unit.

16. (New) The ophthalmologic device according to claim 11, wherein the central control unit has a user interface with conventional input devices such as keyboard, mouse, trackball, joystick, or the like, and/or has different control modes and evaluating modes.

17. (New) The ophthalmologic device according to claim 11, wherein the output unit is a monitor and/or printer.

18. (New) A method for positioning an ophthalmologic device, comprising the steps of:

bringing the patient's eye to a fixed position by an existing chin rest and forehead support;

selecting a wide-angle setting of the imaging system of the eye tracker unit;

said eye tracker unit with said wide-angle setting of the imaging system supplying signals containing the coordinates of the eye relative to the eye tracker unit and, therefore, also relative to the optical axis of the ophthalmologic device itself;

said eye tracker unit generating a corresponding reference value from these signals with respect to amount and direction for the positioning device;

said eye tracker unit also supplying this reference signal to the positioning device;

carrying out the alignment by continuous detection of the eye position and relative movement; and

changing the magnification of the imaging system of the eye tracker unit after alignment in x-direction and y-direction.

19. (New) A method for positioning an ophthalmologic device, comprising the steps of:

bringing the patient's eye to a fixed position by an existing chin rest and forehead support;

selecting a wide-angle setting of an objective of the stereo microscope of the image recording unit;

said image recording unit supplying signals containing the coordinates of the eye relative to the image recording unit and, therefore, also relative to the optical axis of the ophthalmologic device itself;

said image recording unit generating a corresponding reference value from these signals with respect to amount and direction for the positioning device; and

said image recording unit also supplying this reference signal to the positioning device;

carrying out the alignment by continuous detection of the eye position and relative movement; and

changing the objective setting of the stereo microscope after alignment in x-direction and y-direction.

20. (New) The method for positioning an ophthalmologic device according to

claim 18, wherein an alignment of the ophthalmologic device in z-direction is carried out after alignment has been carried out in x-direction and y-direction and after the aperture angle of the imaging system of the eye tracker unit has been changed.

21. (New) The method for positioning an ophthalmologic device according to claim 18, wherein the detection of the eye by the eye tracker unit is carried out in such a way that in evaluating the image of the eye generated by illumination the pupil center is exactly determined and the tracking of the light marks is carried out by continuous detection of the pupil by the eye tracker unit.

22. (New) The method for positioning an ophthalmologic device according to claim 18, wherein searching of illumination patterns in digital images can be carried out by differential image recordings in that two images which are recorded in direct succession in time with a change exclusively in the illumination pattern are subtracted and all interfering spatially fixed image information is accordingly eliminated.